ABSTRACT OF THE DISCLOSURE

A linking apparatus receives a first packet from a first network. When the first packet does not include a first header, a receiving section of the linking apparatus reads out a first header, which is stored after being associated with packet identification information having the same value as for packet identification information included in the first packet, from the stored first headers to output the first packet to which the first header is added. A sending section converts the first packet to a second packet to send the second packet to a second network.